

**Practice Masters Level A****3.2 Solving Equations by Multiplying and Dividing**

State the property needed to solve each equation.

1.  $3x = -21$  \_\_\_\_\_

2.  $-z = 12$  \_\_\_\_\_

3.  $\frac{m}{5} = 21$  \_\_\_\_\_

4.  $54 = -7k$  \_\_\_\_\_

5.  $\frac{1}{2} = \frac{y}{-3}$  \_\_\_\_\_

6.  $-9 = \frac{k}{7}$  \_\_\_\_\_

7.  $-12n = 98$  \_\_\_\_\_

8.  $14r = -112$  \_\_\_\_\_

9.  $-\frac{b}{7} = 32$  \_\_\_\_\_

10.  $-17 = 17z$  \_\_\_\_\_

Solve each equation and check your solution.

11.  $6y = -24$  \_\_\_\_\_

12.  $1.5 = 0.75h$  \_\_\_\_\_

13.  $-q = 100$  \_\_\_\_\_

14.  $-3t = -12$  \_\_\_\_\_

15.  $\frac{g}{0.5} = -6$  \_\_\_\_\_

16.  $\frac{d}{6} = -7$  \_\_\_\_\_

17.  $\frac{k}{4} = -12$  \_\_\_\_\_

18.  $-150h = 450$  \_\_\_\_\_

19.  $0.25j = -6.5$  \_\_\_\_\_

20.  $8 = -\frac{p}{2}$  \_\_\_\_\_

21.  $-16 = -z$  \_\_\_\_\_

22.  $\frac{s}{3} = 21$  \_\_\_\_\_

23.  $14 = -7y$  \_\_\_\_\_

24.  $-56 = 8f$  \_\_\_\_\_

25.  $-72 = -12z$  \_\_\_\_\_